

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :
Mikio ODA et al. :
Serial No. NEW : **Attn: APPLICATION BRANCH**
Filed December 3, 2003 : Attorney Docket No. 2003_1683

DEVICE FOR NORMALIZING VOICE
PITCH FOR VOICE RECOGNITION
(Rule 1.53(b) Continuation
of Serial No. 09/696,953,
Filed October 27, 2000)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

THE COMMISSIONER IS AUTHORIZED
TO CHARGE ANY DEFICIENCY IN THE
FEES FOR THIS PAPER TO DEPOSIT
ACCOUNT NO. 23-0975

Sir:

Pursuant to the provisions of 37 CFR 1.56, 1.97 and 1.98, Applicants request consideration of ☒ the references listed on attached form PTO-1449 and/or ☐ the additional information identified below in paragraph 3. A legible copy of each reference listed on the form PTO-1449 and each U.S. patent application listed below is enclosed, except a copy is not provided for each reference previously cited by or submitted to the Patent Office in prior parent application Serial No. 09/696,953.

1a. ☒ This Information Disclosure Statement is submitted:

within three months of the filing date (or of entry into the National Stage) of the above-entitled application, **or**

before the mailing of a first Office Action on the merits or the mailing of a first Office Action after the filing of an RCE,

and thus no certification and/or fee is required.

1b. ☐ This Information Disclosure Statement is submitted

after the events of above paragraph 1a and prior to the mailing date of a final Office Action or a Notice of Allowance or an action which otherwise closes prosecution in the application, and thus:

(1) ☐ the certification of paragraph 2 below is provided, **or**

(2) ☐ the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

1c. ☐ This Information Disclosure Statement is submitted:

after the mailing date of a final Office Action or Notice of Allowance or action which otherwise closes prosecution in the application, and prior to payment of the issue fee, and thus:

the certification of paragraph 2 below is provided, and

the fee of \$180.00 specified in 37 CFR 1.17(p) is enclosed.

2. It is hereby certified

a. ☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Statement, or

b. ☐ that no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in §1.56(c) more than three months prior to the filing of the Statement.

3. ☐ Consideration of the following list of additional information (including any copending or abandoned U.S. application, prior uses and/or sales, etc.) is requested.

4. For each non-English language reference listed on the attached form PTO-1449, reference is made to:
- a. ☐ a full or partial English language translation submitted herewith,
 - b. ☐ a foreign patent office search report (in the English language) submitted herewith,
 - c. ☒ the concise explanation contained in the specification of the present application at page 2,
 - d. ☐ the concise explanation set forth in the attached English language abstract,
 - e. ☐ the concise explanation set forth below or on a separate sheet attached to the reference:
5. ☒ A foreign patent office search report citing one or more of the references is enclosed.

Respectfully submitted,

Mikio ODA et al.

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December 3, 2003

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

Date Submitted to PTO: December 3, 2003

ATTY DOCKET NO.
2003_1683SERIAL NO.
NEWAPPLICANT
Mikio ODA et al.FILING DATE
December 3, 2003GROUP
2654

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,694,520	12/1997	Lyberg			
	AB	5,966,687	10/1999	Ojard			
	AC	4,284,846	8/1981	Marley			
	AD	4,803,729	2/1989	Baker			
	AE	4,813,076	3/1989	Miller			
	AF	4,489,434	12/1984	Moshier			
	AG	4,783,807	11/1988	Marley			
	AH	6,310,833	10/2001	Guyett et al.			
	AI	5,644,678	7/1997	Di Ronza			
	AJ	5,617,486	4/1997	Chow et al.			
	AK	5,790,754	8/1998	Mozer et al.			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL	9-325798	12/1997	JP			

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

	AM	HEIRONYMUS J.L.: "FORMANT NORMALISATION FOR SPEECH RECOGNITION AND VOWEL STUDIES" SPEECH COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 10, no. 5/06, 10 December 1991 (1991-12-10), pages 471-478, XP000271195 ISSN: 0167-6393
	AN	ARSLAN L. M.: "Speaker Transformation Algorithm using Segmental Codebooks (STASC)" SPEECH COMMUNICATION, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 28, no. 3, July 1999 (1999-07), pages 211-226, XP004172905 issn:0167-6393
	AO	Stylianou et al. ("A System for Voice Conversion Based On Probabilistic Classification and a Harmonic Plus Noise Model", Proceedings of the 1998 IEEE International Conference on Acoustics, Speech, and Signal Processing, May 1998)
	AP	Lee et al. ("A Very Low Bit Rate Speech Coder Based on a Recognition/Synthesis Paradigm", IEEE Transactions on Speech and Audio Processing, July 2001)

EXAMINER

DATE CONSIDERED